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METHOD FOR COATING SURFACE OF PHOSPHOR (English)

Patent Assignee: HITACHI LTD

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METHOD FOR COATING SURFACE OF PHOSPHOR**Publication Number:** 58-080375 (JP 58080375 A) , May 14, 1983**Inventors:**

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- C09K-011/02
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JAPIO Class:

- 13.9 (INORGANIC CHEMISTRY--- Other)
- 42.3 (ELECTRONICS--- Electron Tubes)

Abstract:

PURPOSE: To obtain a phosphor which is stable and has good film properties and in which lowering in luminescent brightness is small, by coating the surface of an alkaline earth metal sulfide phosphor with water glass diluted with an alkaline aqueous solution

CONSTITUTION: Water glass having a concentration of 20-30wt% is diluted with an alkaline aqueous solution having a pH of 9.0-14.0 to obtain an alkaline aqueous solution containing water glass at a concentration of 2.5wt% or below. An alkaline earth metal sulfide phosphor is added to said aqueous solution. The mixture is stirred and left to stand to precipitate the phosphor. The supernatant liquid is removed, and the phosphor is dried. (From: *Patent Abstracts of Japan*, Section: C, Section No. 179, Vol. 07, No. 175, Pg. 16, August 03, 1983)

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